

AECOM

Daily Report

Project:	Durham Meadows Pipeline Installation	Date:	September 08, 2021
Location:	Maple Avenue, Durham; S. Main Street, Middletown	Day of Week:	Wednesday
Project #:	AECOM: 6061487	Report No:	318
Contractor:	Ludlow Construction	Page:	1 of 16

Weather Conditions

Conditions: Daylight hours: Sunny. Winds variable 0-14 mph.
Temperature (°F): High 84°F Low 55°F

Contractors & Subcontractors Workforce				Equipment in Use							
Trade	#	x	hrs	Trade	#	X	hrs	Type	#	x	Hrs
USACE				Ludlow Construction				Concrete/Asphalt Road Saw	0	x	8
Field Engineer	1	x	8	Superintendent	1	X	8	Dump truck	2	x	8
				Safety Officer	1	X	8	Excavator - Large	0	x	8
				Foreman	1	X	8	Excavator - Mid-Size	1	x	8
				Dump truck Operator	1	X	8	Excavator - Rubber Wheeled	1	x	8
				Excavator Operator	1	X	8	Skid Steer / Bucket Loader	1	x	8
				Skid Steer/Bucket Loader	1	X	8	Rolling Compactor	1	x	8
				Laborers	4	X	8	Plate Compactor	0	x	8
United Concrete	0	x	8	Note that some personnel				Jumping Jack Compactor	1	x	8
Fazzino Plumbing	0	x	8	operate multiple pieces				Street Sweeper (Broce Broom)	1	x	8
A&R Electrical	0	x	8	of equipment.				Material Hopper	0	x	8
CT Traffic Control	0	x	8	Sub-contractor	0	X	8	cutoff saw	1	x	8
DN Tanks	0	x	8	Municipal Police Detail	0	X	8	Light Tower	0	x	8
				State Police Detail	0	X	8				

Visitors: None.

Pipe Connections, Installations, and Other Work

Ludlow installed 1" copper water service lines at the 133 and 146 Maple Avenue residences in Durham. Laydon placed permanent paving on Main Street, Durham. Ludlow attached the generator to its pad at the booster station located at Station 750+63 in Middletown. On September 7, 2012, Ludlow pressure tested the 12" DIP they installed as part of the Maiden Lane stream crossing.

Daily Activities - Installation of water lines, Maple Avenue, Durham

Ludlow installed 1" copper water service lines at the 133 and 146 Maple Avenue residences in Durham.

0806: Ludlow has mobilized to the 146 Maple Avenue, Durham, residence to begin the installation of a 1" copper waterline.

0825: Ludlow is about to start excavating on the east side of the 146 Maple Avenue residence for the installation of a 1" copper water service line.

0847: Ludlow is excavating at the 146 Maple Avenue property on the east side of the residence for the installation of a 1" copper water service line.

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0909: Ludlow has laid out 1" copper water service line at the bottom of the excavation located east of the 146 Maple Avenue residence. The pipe has been inserted into the south side of the home's foundation on the most eastern portion of the house that juts out to the east. The penetration through the field stone foundation was made with a rotary hammer approximately 16" west of the southeast corner of the portion of the house that juts out towards Maple Avenue.

0924: Ludlow is placing sand followed by caution tape over the 1" copper water service line they have placed in the trench they excavated at the 146 Maple Avenue residence.

0932: Ludlow is placing native fill over the sand and caution tape they placed over the 1" copper water service line at the 146 Maple Avenue property.

1020: Ludlow continues backfilling the trench they excavated at the 146 Maple Avenue property for the installation of a 1" copper water line .

1120: Ludlow continues backfilling the trench they excavated for the installation of a 1" copper water line at the 146 Maple Avenue property.

1136: Ludlow is erecting a portion of the split rail fence at the 146 Main Street property after having removed a fence post and the adjoining fence slats when they excavated the trench for the installation of a 1" copper water service line.

1230: Ludlow has finished the installation of a 1" copper water line at 146 Maple Avenue. Ludlow is currently excavating on the west side of the 133 Maple Avenue residence.

1257: Ludlow is using a pneumatic mole to drive a hole beneath the sidewalk on the north side of the 133 Maple Avenue residence as they continue to install a 1" copper water service line.

1304: Ludlow is using a rotary hammer to penetrate the northern (fieldstone) foundation of the 133 Maple Avenue residence for the insertion of a 1" copper water service line. The penetration point is 177" west of the northeast corner of the house.

1317: Ludlow is pumping water out of the trench at 133 Maple Avenue. The water is being pumped across the road into the empty lot across the street. Ludlow broke a 6" clay drainage pipe running north west to south east on the west side of the 133 Maple Avenue residence.

1325: Ludlow is preparing to fix the 6" clay drain they broke on the side of the 133 Maple Avenue residence using 6" PVC and two Fernco boots.

1354: Ludlow has installed 1" copper water service pipe through the penetration they made on the northern foundation of the 133 Maple Avenue residence. Ludlow is currently securing the pipe in place with non-shrink grout.

1457: Ludlow begins to place 6" of sand on top of the 1" copper water service line they just installed at 133 Maple Avenue.

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Daily Activities – Booster Station, S. Main Street, Middletown

Ludlow attached the generator to its pad at the booster station located at Station 750+63 in Middletown.

0704: Ludlow is staging at the booster station to bolt the generator to its concrete pad.

0721: Ludlow has lifted the generator off of its pad and has begun to drill holes into the concrete to set bolts that will secure the generator in place.

0744: Ludlow has finished setting bolts into the generator pad at the booster station and has bolted the generator to the pad.

Daily Activities – Miscellaneous road work, Main Street, Durham

Laydon placed permanent paving on Main Street, Durham.

1132: Laydon Industries is working on both lanes of Main Street, Durham in front of 119 Main Street, placing permanent paving over the footprints of the trenches that were previously excavated for the installation of curb stops for the 119 and 120 Main Street residences.

1252: One of Eversource's contractors is saw cutting asphalt at the intersection of Main Street and Haddam Quarter Road for the installation of traffic loops on the northbound lane of Main Street.

Daily Activities – Pressure testing of water lines, Maiden Lane, Durham

Ludlow pressure tested the 12" DIP they installed as part of the Maiden Lane stream crossing on September 7, 2012. The piping passed the pressure test, which ran from approximately 0910 hours to 1127 hours; during which the piping maintained a pressure of 150 PSI throughout the test.

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Picture 1: Ludlow drilling into the concrete pad for the generator located on the west side of the booster station at Station 750+63. View to the northeast.

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Picture 2: Closeup of one of the bolts used to anchor the booster station generator to its concrete pad. View to the southwest.

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Picture 3: Ludlow placing sand followed by caution tape over the 1” copper water service line they have placed in the trench they excavated at the 146 Maple Avenue residence.

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Picture 4: 1" copper water service line penetrating into the south side of the foundation for 146 Maple Avenue, on the most eastern portion of the house that juts out to the east towards Maple Avenue.

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Picture 5: Ludlow compacting fill that was backfilled over the 1" copper water service line they installed at the 146 Maple Avenue residence. View to the northwest.

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Picture 6: Starting pressure for the pressure test that Ludlow conducted on September 7, 2012, on the 12" DIP they installed as part of the Maiden Lane stream crossing.

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Picture 7: End pressure for the pressure test that Ludlow conducted on September 7, 2012, on the 12" DIP they installed as part of the Maiden Lane stream crossing.

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Picture 8: Ludlow working on reassembling a portion of the fence they temporarily took down at the 146 Maple Avenue residence after installing a 1" copper water service line. View to the northwest.

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Picture 9: Ludlow excavating at the 133 Maple Avenue property to install a 1" copper water service line. View to the west.

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Picture 10: Ludlow pumping water from the excavation at the 133 Maple Avenue property as they install a 1" copper water service line. Water is being pumped into the empty lot located across the street to the west of the 133 Maple Avenue property. View to the west.

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Picture 11: Repair that Ludlow made to a 6" clay drainage line at the 133 Maple Avenue property.

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Picture 12: Ludlow securing 1" copper water service line with non-shrink grout on the north side of the 133 Maple Avenue residence. View to the south.

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Picture 13: Ludlow placing sand over the 1" copper water service line they installed at the 133 Maple Avenue property. View to the west.